



## North Fawdon Primary School Computing Policy

### Introduction:

The use of Computing is an integral part of the National Curriculum and is a key skill for everyday life. Computers, iPads, programmable robots, digital and video cameras are but a few of the tools that can be used to acquire, organise, store, manipulate, interpret, communicate and present information. At North Fawdon Primary School we recognise that pupils are entitled to a structured and progressive approach to the learning of the skills needed to enable them to become Computing proficient.

### Aims

- Prepare pupils for secondary schools and the technological opportunities in modern day Britain
- Nurture creativity in pupils for jobs that haven't been created yet
- Ensure that pupils become competent and adaptable
- Build resilience and confidence
- Enhance learning across other curriculum areas
- Develop transferable skills relating to computing devices
- Prepare pupils for safe use of internet sources

### Implementation

- Use successful schemes of work that teachers can effectively implement
- Deliver staff meetings to assist and support staff with computing software and hardware
- Collaborate through SMART Academy portal to communicate effective practice and updates
- Deliver E-safety sessions for KS1 and KS2 each half term
- Monitor pupil progress through foundation tracker
- Monitor teaching development through observations
- Keep up to date with computing research studies
- Liaise with secondary school specialists to focus specific outcomes

### The National Curriculum for Computing aims to ensure that all pupils:

- Can understand and apply the fundamental principles of computer science, including logic, algorithms, data representation, and communication.
- Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
- Are responsible, competent, confident and creative users of digital devices and the Internet.



## **Entitlement**

From Years 1-6 children will study the following:

- Online Safety
- Computer Programming
- Presentation skills

In EYFS children will have access to a wide range of technology to support their journey to reaching the Early Learning Goals. Equipment will include computers, iPads and programmable toys.

## **Teaching computing for SEND children**

At our school, we teach computing to all children whatever their ability. Computing provides broad and balanced education for all children. We provide learning opportunities that are matched to the needs of children with learning difficulties. In some instances, the use of computing has a considerable impact on the quality of work that children produce; it increases their confidence and motivation. When planning work in computing, we can take into account targets in the children's IEP's. The use of computing can help children in achieving their targets and progressing in their learning.

## **Assessment**

The pupil's work in Computing is assessed continuously throughout the topics that are taught. Records are kept in the form of teacher evaluations, saved work in the 'Pupil' drive and recorded data on foundation subject tracker. A range of abilities are usually targeted and every pupil in the school will be accessed throughout the academic year.

Pupils are actively encouraged to use Bug Club and Times Tables Rock stars to support their English and Maths skills.

## **Monitoring and Review**

The monitoring of the standards of the children's work and the quality of teaching in computing is the responsibility of the computing subject lead and Management Team. The computing lead is also responsible for supporting colleagues in the teaching of computing, for keeping them informed about current developments in the subject and for providing a strategic lead and direction for the subject in the school. The computing lead regularly discusses the computing situation with the Head Teacher and provides reports in which they evaluate the strength/weaknesses in the subject and indicates areas for further development.

**Policy Reviewed**  
**Next Review Date**  
**Approved by Governors**

**July 2019**  
**July 2020**  
**1.7.19**